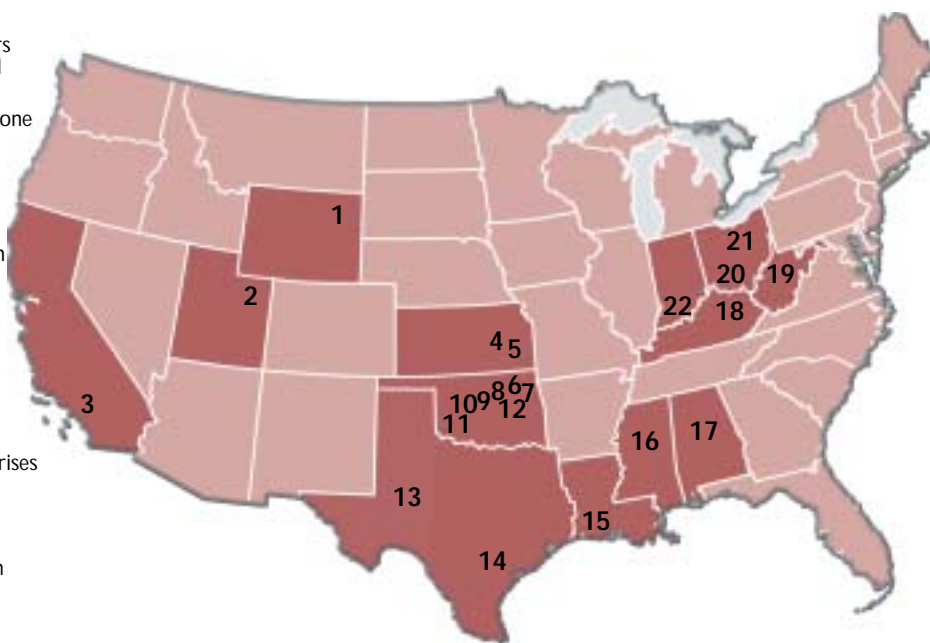


Inside Tech Transfer

A technology transfer newsletter published for the Department of Energy's National Petroleum Technology Office

National Petroleum Technology Office Promotes Technology Advances by Independent Producers

- 1 Dakota Oil Producers
N. Wind Creek Field
- 2 X-TRAC Energy Inc.
Asphalt Ridge Sandstone
- 3 ITM
Kern County, CA
- 4 Edmiston Oil Co.
Pennsylvanian Sand
- 5 Diamond Exploration
Squirrel Sandstone
- 6 Kenneth Y. Park
Bartlesville Sand
- 7 Grace Petroleum
Bartlesville Sand
- 8 Keener Oil & Gas
Wilcox Sand
- 9 Double-Eagle Enterprises
Wilcox Sand
- 10 Harry Spring
Carmichael Sand
- 11 K-Stewart Petroleum
Morrow Formation



- 12 Cleary Exploration L.L.C.
Hunton Dolomite
- 13 Brothers Production
Ellenburger/Strawn Dolomite
- 14 Sandia Operating Co.
Jackson Sand
- 15 Tenison Oil Co.
Hosston Sand
- 16 J.R. Pounds
Rodessa Sand
- 17 Cobra Oil & Gas/AGS/
Schlumberger
Frisco City Sand
- 18 Sipple Oil Co.
Coniferous Dolomite
- 19 Rock Island
Salt Sand
- 20 EDCO Oil Co.
Trempealeau Dolomite
- 21 James Engineering
Clinton/Rose Run
- 22 Speir Operating Co.
Cypress Limestone

A program begun by the National Petroleum Technology Office (NPTO) in February 1995 targets small independent operators by providing technical assistance for solutions related to local production problems. Small operators who have less than 50 employees and lack the resources to try unfamiliar technologies or novel, unproven approaches may benefit with cost-sharing (\$75,000 or less per project) from the Department of Energy to reduce the financial risk. Using this approach, independent producers are encouraged to experiment with higher-risk approaches that could result in maintaining production and prevent shutting down an oil field.

This program has the potential to: (1) extend the economic production of domestic fields by slowing the rate of well abandonments and preserving industry infrastructure; (2) increase ultimate recovery in known fields using advanced technologies by demonstrating better methods for formation evaluation, oil recovery and production technologies, and remedial work for environmental compliance; and (3) use field demonstrations to broaden information exchange and technology application among stakeholders by expanding participation in DOE projects to include both traditional and non-traditional participants, increasing third-

party participation and interaction throughout the life of DOE-sponsored projects, and making technology transfer products user-friendly.

Since the program began, 22 projects have been funded in the areas of drilling, exploration, formation evaluation, improved oil recovery, operations, production problems, stimulation, water production, and wellbore problems. Locations of companies which have received awards are shown on the above map. Detailed information is available on the NPTO web site: <http://www.npto.doe.gov/indep.pdf>. A report published in April 1998 by the

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NPTO gives more detailed information and can be obtained by contacting Herbert A. Tiedemann, Technology Transfer Officer, 918-699-2017; email htiedema@npto.doe.gov.

A *Workshop for Independent Producers* scheduled for September 21-22, 1998 in Tulsa, Oklahoma at the Radisson Inn-Tulsa Airport will present results from seven projects:

Brothers Production: Technology Area—Exploration; Problem—Could Not Map Ellenberger Reflections in 3-D Seismic Survey; Situation—Identification of Bypassed Oil for Selecting Drilling Locations; Results—Project Completed, Ellenburger Reflections Successfully Mapped.

Cobra Oil and Gas/University of Alabama: Technology Area—Formation Evaluation; Problem—High Cost & Risk of Coring; Situation—Looking for Alternative to Coring; Results—Project Completed, FMI Successfully Reduced Need for Coring.

Dakota Oil Producers: Technology Area—Improved Oil Recovery; Problem—Need to Increase Pressure in Reservoir, Some Wells Experienced Cement Failure; Situation—No Reser-

voir Energy to Drive Oil; Results—Project Completed, Successful.

Grace Petroleum: Technology Area—Water Production; Problem—Channeling; Situation—Low Oil & High Water Production; Results—Project Completed, Successful, Oil Production Increased.

Kenneth Y. Park: Technology Area—Water Production; Problem—Low Oil & High Water Production; Situation—Low Oil Recovery Efficiency; Results—Project Completed, Increased Well Productivity & Lowered Water-Oil Ratio.

Sipple Oil Company: Technology Area—Stimulation; Problem—Water Breakthrough Comes Too Soon After Well Stimulation; Situation—Low Oil & High Water Production; Results—Project Completed, Foam Fracturing with Low-Cost Sand Was Successful.

Speir Operating: Technology Area—Wellbore Problems; Problem—Holes in Casing; Situation—Holes in Casing, Well Shut-in; Results—Project Completed, Holes Repaired, Well Producing.

To register for the workshop, contact Helen Bresson, BDM-Oklahoma, 918-337-4591. For program information, contact Jim Barnes, Project Manager, 918-699-2076; email jlbarnes@npto.doe.gov.

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- Read our reports and bibliographies
Geophysical Data Locations for the Mississippi Salt Basin and the Reservoir Class Field Demonstration—just to name a few
- Better understand the National Oil Program
- Learn how you can do business with DOE/NPTO

Your source for information on energy-related topics

DOE Native American Workshop Helps Tribes Develop and Manage Resources

A workshop sponsored by the National Petroleum Technology Office (NPTO) in Tulsa promotes the Department of Energy's Domestic Oil and Gas Initiative by helping tribes become self-sufficient in the management and development of their oil and gas resources. The *Native American Workshop on Petroleum Energy* scheduled for August 17-18, 1998, in Santa Fe, New Mexico, will introduce tribes from the surrounding area to subjects relating to reservoir geology, prospect evalua-

tion, production economics, environmental liabilities, and information about technologies that enhance hydrocarbon production.

The two-day workshop focuses on An Introduction to Reservoir Geology, Oil and Gas Production, Environmental Management, and Economic Evaluation of Oil and Gas Projects Properties. Tribal members who manage tribal mineral holdings, set policy, or work in the oil and gas industry should attend. Registration for one day is \$50 or \$75 for two days.

The registration fee includes all course materials. For information about the workshop, contact Helen Bresson, BDM-Oklahoma, 918-337-4591; fax 918-337-4339. The workshop will be held at the Hotel Santa Fe, 1501 Paseo de Peralta, Santa Fe, NM 87501. For accommodations, contact the hotel directly at 1-800-825-9876.

For more information about the NPTO Native American Program, contact Ginny Weyland, Project Manager, 918-699-2041; email gweyland@npto.doe.gov.

China Hosts Seventh UNITAR Conference on Heavy Crude and Tar Sands

"The development of the heavy crude and tar sands industry is attracting more attention because of its increasing share among the hydrocarbon resources," according to Wang Naiju, Chairman of the Seventh International Conference on Heavy Crude and Tar Sands.

The theme of the conference, *Heavy Oil—A Major Energy Source for the 21st Century*, indicates the growing trend in energy production. The conference, scheduled for October 27-30, 1998, in Beijing, China, will draw more than 650 professionals from 30 countries for 187 technical papers and 20 posters.

This is the first UNITAR Conference to be held outside the Americas. Held every three years, these conferences bring together experts from around the world to present and discuss developments

related to extraction, processing, upgrading, transportation, and utilization of heavy crude and tar sands. These conferences are a major activity of the UNITAR Centre for Heavy Crude and Tar Sands located in Tulsa, Oklahoma.

The Centre's mandate is to facilitate cooperative development of the world's heavy oil and tar sands in an economic, efficient, and environmentally sound manner. Other activities include: networking with the United Nations and governments, business and technology exchange, heavy oil/bitumen worldwide resource assessment, and classes in oil production, refining/upgrading, and environmental restoration.

Funding is provided by sponsors from various governments and industry. Major sponsors are the U.S. Department of Energy,

Petroleos de Venezuela, S.A., and the China National Petroleum Corporation. For more information about the Centre's activities, contact Dr. David Olsen, Director, UNITAR Centre for Heavy Crude and Tar Sands, c/o NPTO, P.O. Box 3628, Tulsa, OK 74101-3628, USA, or call 1-918-699-2045; fax 1-918-699-2048; email dolsen@unitarhots.org; UNITAR Web Site at <http://www.unitarhots.org>.

Registration for the conference until August 31, 1998 is: Delegate \$500 US; Student \$150 US; and Additional Person \$250 US. Contact Ms. Zhao Fen, Secretariat for the 7th International Conference on Heavy Crude and Tar Sands, P.O. Box 766, Liu Pu Kang, Xi Cheng District, Beijing 100724, China, or call 86-10-6201-5419; fax 86-10-6201-5419; email zhaofen@public.fhnet.cn.net.

Coming Attractions

August

Native American Workshop on Petroleum Energy, sponsored by the National Petroleum Technology Office, August 17-18, 1998, in Santa Fe, New Mexico, at the Hotel Santa Fe. For more information, contact Helen Bresson, BDM-Oklahoma, 918-337-4591.

September

Workshop for Independent Producers, sponsored by the National Petroleum Technology Office, September 21 & 22, 1998, in Tulsa, Oklahoma at the Radisson Inn-Tulsa Airport. For more information, contact Helen Bresson, BDM-Oklahoma, 918-337-4591.

Society of Petroleum Engineers Annual Technical Conference, September 28-30, 1998, in New Orleans, Louisiana. Visit the DOE Booth #430.

October

Meeting on the Societal Resource and Environmental Requirements for the 21st Century, Taos, New Mexico, October 11-14, 1998. Contact David Alleman at the National Petroleum Technology Office, 918-699-2057.

Marginal Well Commission Fall Trade Fair, Norman, Oklahoma, October 15, 1998, Cleveland County Fairgrounds.

Permian Basin International Oil Show, Odessa, Texas, October 20-22, 1998. Visit the DOE Booth #D-45.

5th Annual International Petroleum Environmental Conference on Issues and Solutions in Exploration, Production and Refining, Albuquerque, New Mexico, October 20-23, 1998. Contact David Alleman at the National Petroleum Technology Office, 918-699-2057.

<http://www.npto.doe.gov>

7th UNITAR International Conference on Heavy Crude and Tar Sands



October 27-30, 1998
Beijing China



**Heavy Oil—A
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Join over 650 participants from
throughout the world for 207
technical papers and posters

Registration and Information
UNITAR Centre Website:
<http://www.unitarhots.org>

Conference Office in Beijing
Contact:

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